

ORE SMELTING + CASTING

Ancient Civilizations such as the Greeks learned how to smelt metals over 8,000 years ago! The discovery and use of "useful" metals like copper and bronze, then iron a few thousand years later had an enormous impact on their culture. The Greeks learned how to smelt (melt) and later cast (mold) various metals to make items such as: armor, weapons, projectiles, jewelry, and water storage containers.

So, how does the whole process work? Ancient Greeks would first have to heat up the metal until it reached its melting point to become a liquid. Once it was in liquid form, they would next pour the metal into a cast mold. Finally, they would wait for the liquid metal to cool and remove it from the cast to obtain whatever metal object they desired.

Over the course of thousands of years, this process has been refined and improved and has set the standard for modern manufacturing industries. Major companies smelt and cast many different metals such as steel, bronze, copper, aluminum and iron every day. Major companies make a variety of products such as steel beams, automobiles, and thousands of different metal parts that are bought and sold throughout the world. Think about how different our world would look, if we did not smelt and cast metals...

